

From: [Moore, Gary](#)  
To: [b.latham@westonsolutions.com](mailto:b.latham@westonsolutions.com)  
Subject: FW: Tank Cars  
Date: Wednesday, August 06, 2014 7:50:22 PM

---

**FYI**

**Gary Moore**

**Federal On-Scene Coordinator**

**U.S. EPA Region 6**

**214-789-1627 cell**

**214-665-6609 office**

**[moore.gary@epa.gov](mailto:moore.gary@epa.gov)**

---

From: Moore, Gary

Sent: Wednesday, August 6, 2014 7:40 PM

To: Warr (Kettler), Kristie

Cc: [c.shappee@westonsolutions.com](mailto:c.shappee@westonsolutions.com); Latham, Benjamin; [t.a.walzer@westonsolutions.com](mailto:t.a.walzer@westonsolutions.com)

Subject: RE: Tank Cars

**Kristie:**

I told Beth that we are now thinking that this tank is an oily water tank. We will not know that until we take a look at the sample. If it is oily water then it is my understanding that we may not need the TCLP analysis because the totals will be what TCLP would be. Is this a correct assumption.

Are Halogens speciated in the totals analyses that will be running? Wouldn't we just need to add them up?

H2S exposure is what happens to some employees at CES. H2S may be an analyte that we need if it is not already in the analysis that we are running.

Thanks

**Gary Moore**

**Federal On-Scene Coordinator**

**U.S. EPA Region 6**

**214-789-1627 cell**

**214-665-6609 office**

**[moore.gary@epa.gov](mailto:moore.gary@epa.gov)**

---

From: Warr (Kettler), Kristie

Sent: Wednesday, August 6, 2014 3:48 PM

To: Moore, Gary

Cc: [c.shappee@westonsolutions.com](mailto:c.shappee@westonsolutions.com); Latham, Benjamin; [t.a.walzer@westonsolutions.com](mailto:t.a.walzer@westonsolutions.com)

Subject: RE: Tank Cars

Gary,

The list below is what we were intending to analyze from the tank samples. Our list is much longer! The only analyses listed in Beth's email below that we had not included are halogen and H2S. I can add those.

This list is based on a previous waste profile for CES Port Arthur. Additionally, we checked with our T&D people and also ran this list by two hazardous waste disposal and recycling facilities. The

consensus was that these analyses are needed if you want to treat or dispose of the material.

Chemical Analyses (Total and TCLP analyses on solid samples only; totals only for water)

Total TCL VOCs

TCLP RCRA VOCs

Total TCL SVOCs

TCLP RCRA SVOCs

Total TAL Metals

TCLP RCRA Metals

Total PCBs

Total TCL Pesticides

TCLP RCRA Pesticides

Total TCL Herbicides

TCLP RCRA Herbicides

Total TPH by TX 1005

Total Cyanide

Total Sulfide

Total Dioxin/Furans

Total Organic Carbon

Total Anions (bromide, chloride, fluoride, nitrate, nitrite, phosphate, sulfate)

Ammonia

Physical Properties

Viscosity

Melting Point

Boiling Point

Flash Point/Ignitability

pH

Specific Gravity

BTU

Water content

Corrosivity

Total Suspended Solids

---

From: Moore, Gary [mailto:Moore.Gary@epa.gov]

Sent: Wednesday, August 06, 2014 3:14 PM

To: Warr (Kettler), Kristie

Subject: FW: Tank Cars

See Below

**Gary Moore**

**Federal On-Scene Coordinator**

**U.S. EPA Region 6**

**214-789-1627 cell**

**214-665-6609 office**

**[moore.gary@epa.gov](mailto:moore.gary@epa.gov)**

---

From: Crawford, Beth <[beth.crawford@CBIFederalServices.com](mailto:beth.crawford@CBIFederalServices.com)>

Sent: Wednesday, August 6, 2014 2:16 PM

To: Moore, Gary  
Subject: Tank Cars

Gary,

Ok, I would definitely sample the oil/water as one wastestream and the sludge as another component if at all possible. I can tell you for US Oil we ran the following on the oil/water mixture:

pH, Flashpoint, PCB, Cyanide, Sulfide, BTEX, TAL metals, Halogen and H<sub>2</sub>S

The H<sub>2</sub>S issues ended up popping up later. The water had sat for so long it became stagnant essentially so you may want to test for that up front. Sorry it took so long been a little hectic today.

Thanks,



Beth Crawford

Scientist

Applied Science & Engineering

Federal Services

Direct: +1 419 429 5519

Fax: +1 419 425 6085

[Beth.Crawford@CBIfederalservices.com](mailto:Beth.Crawford@CBIfederalservices.com)

**Please Note New Phone Number**

CB&I

16380 U.S. Route 224 East Suite 100

Findlay, OH 45840

United States of America

[www.CBI.com](http://www.CBI.com)

---

This e-mail and any attached files may contain CB&I Federal Services LLC (or its affiliates) confidential and privileged information. This information is protected by law and/or agreements between CB&I Federal Services LLC (or its affiliates) and either you, your employer or any contract provider with which you or your employer are associated. If you are not an intended recipient, please contact the sender by reply e-mail and delete all copies of this e-mail; further, you are notified that disclosing, copying, distributing or taking any action in reliance on the contents of this information is strictly prohibited.

**CONFIDENTIALITY:** This email and attachments may contain information which is confidential and proprietary. Disclosure or use of any such confidential or proprietary information without the written permission of Weston Solutions, Inc. is strictly prohibited. If you received this email in error, please notify the sender by return e-mail and delete this email from your system. Thank you.